D6675

Digital Audio Processor with DSP

Description

The D6675 is a high-quality digital audio processor equipped with 5 microphone inputs, 1 stereo line input, and 6 balanced outputs. The unit features built-in DSP functions including input/output gain adjustment, noise gate, compressor, equalizer, frequency divider, delay, feedback suppressor, echo, and reverb effects. It can be controlled via USB connection to a computer, or directly through the built-in small-screen panel interface. RS-232 connectivity enables remote control via a central controller, making the unit suitable for a wide range of applications.

Features

- 2-inch high-definition LCD display with multi-function adjustable knob, mute, and edit status indicators.
- Supports 48kHz sampling frequency, built-in 32-bit DSP processor, and 24-bit A/D and D/A conversion.
- Supports 2 selectable audio signal inputs, 6 audio signal outputs, and 5 microphone inputs (with 1/4 and 2/5 selectable), enabling flexible configuration of multiple crossover modes with high-pass and low-pass crossover points adjustable from 20Hz to 20kHz.
- Supports USB drive MP3 playback and Bluetooth audio playback.
- Panel-mounted knobs provide independent control of music volume, microphone volume, and effect volume.
- Each output features delay (up to 100ms), phase control, and mute settings.
- Input channels support gain adjustment, noise gate, compression, and equalization; output channels support gain adjustment, limiting, and equalization.
- Output channels also support control of effect mix ratio, microphone volume, music volume, and effect volume.
- Configuration can be performed via panel function keys and knobs, or via PC control through the web

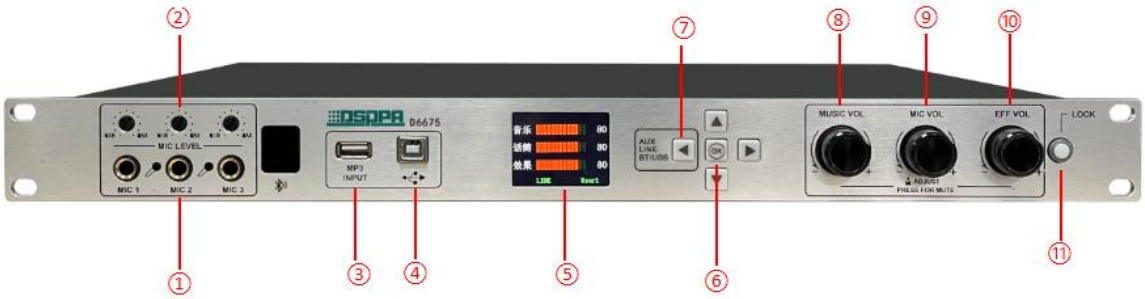
interface.

- Panel LOCK function allows partial or full locking of front-panel controls to prevent unauthorized operation.
- USB port for PC connection; supports storage and recall of up to 16 scene presets.

Specifications

Model	D6675
DSP Chip	
Signal Processing	32-bit floating-point DSP
Digital-Analog Conversion	24-bit
Sampling Rate	48KHz
Analog Audio Input and Output	
Input Channel	5-way Mic, 2-way Mic, 2-way AUX
Audio Interface	XLR, RCA, TS
Input Impedance	10kΩ
Maximum delay setting for each output channel	100ms
Output Channel	6 XLR outputs
Output Impedance	200Ω
Max. Output Level	+12dBV
Audio Performance	
Frequency Response	20Hz-20kHz(±1dB)/Line 20Hz-20kHz(±1dB)/Mic
THD+N	-90dBV(@0dB,1kHz,A-wt)/Line
SNR	100dB(@10dBV,1kHz,A-wt)/Line
Connection & Display	
RS232	(Can be controlled by serial command)
Display Screen	Display adjustable parameters, volume, etc.
Electrical Physical Parameters	
Power Supply Range	AC(95V~125V) 60 Hz **(power switch is at 110V)**
Power Supply Range	AC(190V~250V) 50 Hz **(power switch is at 220V)**
Dimension	44mm×483mm×218mm
Net Weight	6.8Kg
Working Temperature	-20℃～50℃

Front Panel



①	Microphone Input Interface	②	Microphone Input Gain	③	USB Flash Drive Input Interface
④	USB Data Cable Interface	⑤	Panel Display Screen	⑥	System Settings Button
⑦	Audio Source Switching LINE/AUX/USB Bluetooth	⑧	Master Volume Adjustment Knob	⑨	Microphone Master Volume Adjustment Knob
⑩	Master Volume Adjustment Knob	⑪	Equipment Machine Lock		

Rear Panel

①	Power Input Interface	②	Input Channel Interface	③	Line Input Interface
④	AUX Auxiliary Input Interface	⑤	Voltage Selection DIP Switch 110V/220V	⑥	RS232 Serial Port Interface
⑦	Microphone Input Interface				